Physical Science Formula Page

Velocity	$v = \frac{d}{t}$ WHERE v = velocity in meters per second (m/s) d = distance in meters (m) t = time in seconds (s)
Acceleration	$a = \frac{\Delta v}{t}$ WHERE a = acceleration in meters per second per second (m/s^2) Δv = change in velocity in meters per second (m/s) t = time in seconds (s)
Force	$F = ma$ WHERE F = force in newtons (N) m = mass in kilograms (kg) a = acceleration in meters per second per second (m/s^2)
Work	$W = Fd$ WHERE W = work in joules (J) F = force in newtons (N) d = distance in meters (m)
Power	$P = \frac{W}{t}$ WHERE P = power in watts (W) W = work in joules (J) t = time in seconds (s)
Density	$D = \frac{m}{V}$ WHERE D = density in grams per centimeter cubed (g/cm^3) or grams per milliliter (g/mL) m = mass in grams (g) V = volume in centimeter cubed (cm^3) or milliliters (mL)